CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date:12.05.2022

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Sample : : Cement (ACC 53 grade OPC)

Sample Supplied by: : AGENCY

Date of Manufacture: : April-2022

Date of Testing 10.05.2022 to 12.05.2022

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	150 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	390 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.50%	-

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date 12.05.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Date of Testing 12.05.2022
IS Code :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)
Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	82	8.20	8.20	91.8	90-100
2.36	122	12.20	20.40	79.6	75-100
1.18	130	13.00	33.40	66.6	55-90
600 Micron	271	27.10	60.50	39.5	35-59
300 Micron	165	16.50	77.00	23.0	8-30
150 Micron	142	14.20	91.20	8.8	0-10

Note:
1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date 12.05.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Date of Testing 12.05.2022
IS Code :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)
Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	236	1.57	1.57	98.43	95-100
20	8412	56.08	57.65	42.35	30-70
10	3215	21.43	79.09	20.91	10-35
4.75	2541	16.94	96.03	3.97	0-5

Note:
1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date 12.05.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Date of Testing 12.05.2022

IS Code :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	198	4.0	4.0	96.0	95-100
10	2411	48.2	52.2	47.8	25-55
4.75	2205	44.1	96.3	3.7	0-10

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date 12.05.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Date of Testing 12.05.2022
Material : Plastering Sand
Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	22	2.20	2.20	97.8	95-100
2.36	15	1.50	3.70	96.3	95-100
1.18	32	3.20	6.90	93.1	90-100
600 Micron	78	7.80	14.70	85.3	80-100
300 Micron	240	24.00	38.70	61.3	20-65
150 Micron	530	53.00	91.70	8.3	0-15

Note:
1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date 12.05.2022

TEST REPORT ON FINE AGGREGATES (SAND) IS 2116-1980

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Date of Testing 12.05.2022
Material : Masonry Sand

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	18	1.80	1.80	98.2	90-100
1.18	30	3.00	4.80	95.2	70-100
600 Micron	85	8.50	13.30	86.7	40-100
300 Micron	242	24.20	37.50	62.5	5-70
150 Micron	511	51.10	88.60	11.4	0-15

Note:
1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date 12.05.2022

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Steel Dia/Length : 8mm,10mm,12mm,16mm" TMT"

Reference to BIS codes : IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test 12.05.2022

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation , percent on gauge length
1	TMT	8	0.396	502	616	1.23	13.5
2	TMT	10	0.618	516	635	1.23	15
3	TMT	12	0.888	528	648	1.23	16
4	TMT	16	1.52	534	656	1.23	18.5

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date 17.05.2022

TEST REPORT ON VITRIFIED TILES

*Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

*Contractor : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

*Name of the work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Technical Reference : IS: 13630 - 2006 - Method of Testing Vitrified Tiles
IS 15622 - 2006 - Specification of Vitrified Tiles

No. of Samples Tested : 05 (Five)

Date of Testing 12.05.2022 to 17.05.2022

I. MODULUS OF RUPTURE

Sl. No.	Measured Dimension (mm)	Modulus of Rupture (N/mm^2)	Average (N/mm^2)	Requirement as per IS: 15622 (Reaffirmed 2006)
1	600 x 600 x 9.8	46.5	47.24	Average 47, individual minimum 44 N/mm^2
2	600 x 600 x 9.8	48.2		
3	600 x 600 x 9.9	45.2		
4	600 x 600 x 9.8	48.6		
5	600 x 600 x 9.8	47.7		

II. CHEMICAL RESISTANCE

Sl. No.	Measured Dimension (mm)		Requirement as per IS: 15622 (Reaffirmed 2006)
1	600 x 600 x 9.8	No visible effect	Class AA, min (13630 Part 8)
2	600 x 600 x 9.8	No visible effect	
3	600 x 600 x 9.9	No visible effect	
4	600 x 600 x 9.8	No visible effect	
5	600 x 600 x 9.8	No visible effect	

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

III. **STAIN RESISTANCE**

Sl. No.	Measured Dimension (mm)	Visual observations	Requirement as per IS: 15622 (Reaffirmed 2006)
1	600 x 600 x 9.8	Stain Removed by Water	Class 1, min (13630 Part 8)
2	600 x 600 x 9.8	Stain Removed by Water	
3	600 x 600 x 9.9	Stain Removed by Water	
4	600 x 600 x 9.8	Stain Removed by Water	
5	600 x 600 x 9.8	Stain Removed by Water	

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023 Date: 12.05.2022

TEST REPORT

CLIENT	:	**: Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
AGENCY	:	**: M/s SKS Infrastructure Pvt Ltd,** Bangalore.
NAME OF THE WORK	:	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Type of the test	:	Physical tests on Paver Blocks
Date of Testing	:	12.05.2022
Samples supplied by	:	Agency

The results of the tests conducted on the Paver Blocks sample are as follows:

1. **THICKNESS:**

Sl. No	Identification	Thickness, mm	Average thickness, mm
1	01	75.14	75.16
2	02	75.18	

2. **COMPRESSIVE STRENGTH:**

Sl. No	Identification	Load in Kilo-Newton	Cross sectional area, mm^2	Compressive strength N/mm^2	Compressive strength Kg/m^2	Requirement as Specification
1	01	695.8	24,200	28.71	287.1	Minimum required Compressive Strength of Individual Units 281 Kg/ m^2
2	02	691.1	24,200	28.57	285.7	

Note: 1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date 12.05.2022

TEST REPORT ON SOLID CONCRETE BLOCKS

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP,
Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Date of Testing 12.05.2022
Size of Blocks : 400mm x 200mm x 200mm
Cross Sectional Area : 80000 mm^2
Technical Reference : IS: 2185 (Part 1) - 2005
No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	33.9	290.5	3.63	2118.75	Minimum required Compressive Strength of Individual Units 3.50N/mm^2
2	Block 2	34.7	298.6	3.73	2168.75	
3	Block 3	35.5	302.4	3.78	2218.75	
4	Block 4	36.3	312.8	3.91	2268.75	

Note:
1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 17.05.2022

TEST REPORT OF PHYSICAL REQUIREMENTS OF BRICKS

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of Work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Reference to BIS codes	: IS 1077 : 1992(RA 2011) Common Burnt Clay Building Bricks-Specification IS 3495 (Part 1 to 3) : 1992(RA 2011) Method of Tests Burnt Clay Building Bricks Part 1:Determination of Compressive Strength, (Cl 4.2.3) Part 2:Determination of Water Absorption,(Cl 4.1.3) Part 3: Determination of Efflorescence, (Cl 4)
Date of test	12.05.2022 to 17.05.2022

COMPRESSIVE STRENGTH

Sl.No.	Compressive strength of individual bricks (N/mm2)	Acceptability as per IS 1077:1992, Clause 7.1
1	5.5	The bricks shall have a minimum average compressive strength for various classes as given in Table 1 of IS 1077: 1992. The compressive strength of any individual bricks shall not fall below the minimum compressive strength specified for the corresponding class of brick by more than 15%.
2	5.8	
3	5.2	
4	5.4	
5	5.8	
Average of 5 bricks	5.5	

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WATER ABSORPTION:

Sl.No.	Water Absorption(%)	Acceptability as per IS 1077:1992, Clause 7.2
1	10.6	The water Absorption of bricks shall not be more than 20% by weight upto class 12.5 and 15% by weight for higher classes.
2	10.4	
3	10.8	
4	10.3	
5	10.2	
Average of 5 bricks	10.5	

EFFLORESCENCE:

Sl.No.	Efflorescence	Acceptability as per IS 1077:1992, Clause 7.3
1	Moderate	The efflorescence shall not be more than 'moderate" upto class 12.5 and "slight" for higher classes.
2	Moderate	
3	Moderate	
4	Moderate	
5	Moderate	

DIMENSIONS AND TOLERANCES

Sl.No.	Dimensions obtained for 20 bricks(mm)		Acceptability as per IS 1077:1992, Clause 6.2(b)
1	Length	4540	4520 to 4680 mm
2	Width	2185	2160 to 2240 mm
3	Height	1410	1360 to 1440 mm

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Lab No: CQCE/BBMP/SKS/17/2022-2023 Date 04.06.2022

GRADATION FOR GSB (Grading V)

Client : **: Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency: **: M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of work: : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Location : 2nd cross road from Venkateshwara Nilaya

BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985

Date of Testing 02.06.2022 to 04.06.2022

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1562	1562	12.02	87.98	80-100
26.5	2398	3960	30.46	69.54	55-90
9.5	2175	6135	47.19	52.81	35-65
4.75	1829	7964	61.26	38.74	25-50
2.36	2837	10801	83.08	16.92	10-20
0.85	1654	12455	95.81	4.19	2-10
0.425	257	12712	97.78	2.22	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	24.00	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date 08.06.2022

GRADATION FOR DRY LEAN CONCRETE
MORTH TABLE-600-1

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Location : From ABS Bakery and Condiments opposite

Date of Testing 08.06.2022

Material : Dry Lean Concrete

Oven Dry Wt (gm): **10000**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
26.5	0	0	0	100	100
19	1285	1285	12.9	87.2	75-95
9.5	2364	3649	36.5	63.5	50-70
4.75	1472	5121	51.2	48.8	30-55
2.36	2253	7374	73.7	26.3	17-42
0.6	756	8130	81.3	18.7	8-22
0.3	303	8433	84.3	15.7	7-17
0.15	592	9025	90.3	9.8	2-12
0.075	211	9236	92.4	7.6	0-10

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date : 10.05.2022

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

IS Code: : IS 2386 (Part 1):1963(RA 2011)
Date of Testing 10.05.2022
Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	369	369	3.7	96.3	95-100
22.4	2369	2738	27.4	72.6	60-80
11.2	2365	5103	51.0	49.0	40-60
4.75	1528	6631	66.3	33.7	25-40
2.36	1034	7665	76.7	23.4	15-30
0.600	565	8230	82.3	17.7	8-22
0.075	1425	9655	96.6	3.5	0-5

Note:
1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 10.05.2022

Aggregate Impact Value

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the Work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	10.05.2022

Sl No.	Details	Test No. 1	Test No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	382	384	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	86	88	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	296	296	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	22.51	22.92	22.71

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

Note:

→ The Material is satisfied as per the requirement.

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Testing of Construction Materiol - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023 Date : 10.05.2022

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	**: Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	**: M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of Work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
BIS code:	IS 2386(Part 1) 1963 (RA 2011)
Type of Mix	Wet Mix Macadam
Date of Testing	10.05.2022

Sl no	Test	1	2	Requirements as per MORTH 5th edition table no 400.12
1	Flakiness Index %	12.3	13.9	Combined Flakiness & Elongation index Max 35%
2	Elongation Index %	14.1	10.2	
	Combined Flakiness & Elongation index	26.40	24.1	

Note:
→ The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date 12.05.2022

ATTERBERG LIMITS TEST FOR WMM

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

IS Code: IS 2720(Part 5):1985
Date of Testing 10.05.2022 to 12.05.2022
Material Type : Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	22.50	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:
1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 27.05.2022

TEST REPORT ON CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of the work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.05.2022	27.05.2022	8.164	266.3	11.84
2	20.05.2022	27.05.2022	8.187	277.8	12.35
3	20.05.2022	27.05.2022	8.196	289.5	12.87

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 17.06.2022

TEST REPORT ON CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of the work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.05.2022	17.06.2022	8.034	372.6	16.56
2	20.05.2022	17.06.2022	8.102	386.9	17.20
3	20.05.2022	17.06.2022	8.097	394.5	17.53

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 27.05.2022

TEST REPORT ON CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of the work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.05.2022	27.05.2022	8.096	265.4	11.80
2	20.05.2022	27.05.2022	8.177	272.8	12.12
3	20.05.2022	27.05.2022	8.066	280.9	12.48

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 17.06.2022

TEST REPORT ON CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.05.2022	17.06.2022	8.023	370.0	16.44
2	20.05.2022	17.06.2022	8.124	380.0	16.89
3	20.05.2022	17.06.2022	8.005	390.0	17.33

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 03.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: : From Sopana Arcade underpass bridge
Sample ID	: Cement Concrete (Raft) — Retaining wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.05.2022	03.06.2022	8.008	368.5	16.38
2	27.05.2022	03.06.2022	8.031	352.4	15.66
3	27.05.2022	03.06.2022	8.069	380.9	16.93

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 24.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: : From Sopana Arcade underpass bridge
Sample ID	: Cement Concrete (Raft) – Retaining wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.05.2022	24.06.2022	8.195	486.5	21.62
2	27.05.2022	24.06.2022	8.177	516.2	22.94
3	27.05.2022	24.06.2022	8.146	498.8	22.17

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 03.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: : From Sopana Arcade underpass bridge
Sample ID	: Cement Concrete (Raft) Retaining wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.05.2022	03.06.2022	8.100	358.1	15.92
2	27.05.2022	03.06.2022	8.123	370.3	16.46
3	27.05.2022	03.06.2022	8.171	391.5	17.40

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 24.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: : From Sopana Arcade underpass bridge
Sample ID	: Cement Concrete (Raft) Retaining wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.05.2022	24.06.2022	8.032	500.7	22.25
2	27.05.2022	24.06.2022	8.089	522.6	23.23
3	27.05.2022	24.06.2022	8.115	513.3	22.81

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 03.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: : From Sopana Arcade underpass bridge
Sample ID	: Cement Concrete (Raft) Retaining wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.05.2022	03.06.2022	8.161	367.7	16.34
2	27.05.2022	03.06.2022	8.120	382.5	17.00
3	27.05.2022	03.06.2022	8.108	374.3	16.64

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 24.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: : From Sopana Arcade underpass bridge
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Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.05.2022	24.06.2022	8.117	511.6	22.74
2	27.05.2022	24.06.2022	8.149	504.2	22.41
3	27.05.2022	24.06.2022	8.187	493.7	21.94

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 08.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: From Sopana Arcade underpass bridge
Sample ID	: Cement Concrete (Wall) – Retaining wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.06.2022	08.06.2022	8.110	369.5	16.42
2	01.06.2022	08.06.2022	8.156	354.4	15.75
3	01.06.2022	08.06.2022	8.133	388.2	17.25

Note:

1. The Material is satisfied as per the requirement.

CIVIL QUALITY CONSULTANTS Bangalore

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 29.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: From Sopana Arcade underpass bridge
Sample ID	: Cement Concrete (Wall) – Retaining wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.06.2022	29.06.2022	8.053	504.8	22.44
2	01.06.2022	29.06.2022	8.024	493.5	21.93
3	01.06.2022	29.06.2022	8.007	485.2	21.56

Note:
1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 08.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: From Sopana Arcade underpass bridge
Sample ID	: Cement Concrete (Wall) – Retaining wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.06.2022	08.06.2022	8.190	351.5	15.62
2	01.06.2022	08.06.2022	8.165	370.3	16.46
3	01.06.2022	08.06.2022	8.139	364.4	16.20

Note:

1. The Material is satisfied as per the requirement.

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Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 29.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: From Sopana Arcade underpass bridge
Sample ID	: Cement Concrete (Wall) – Retaining wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.06.2022	29.06.2022	8.041	509.0	22.62
2	01.06.2022	29.06.2022	8.012	497.4	22.11
3	01.06.2022	29.06.2022	8.089	516.2	22.94

Note:
1. The Material is satisfied as per the requirement.

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Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 08.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: From Sopana Arcade underpass bridge
Sample ID	: Cement Concrete (Wall) Retaining wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.06.2022	08.06.2022	8.170	378.5	16.82
2	01.06.2022	08.06.2022	8.159	362.4	16.11
3	01.06.2022	08.06.2022	8.124	385.1	17.12

Note:

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 29.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: From Sopana Arcade underpass bridge
Sample ID	: Cement Concrete (Wall) Retaining wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.06.2022	29.06.2022	8.021	512.8	22.79
2	01.06.2022	29.06.2022	8.003	503.4	22.37
3	01.06.2022	29.06.2022	8.062	491.7	21.85

Note:

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 20.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: 2nd cross road from Venkateshwara Nilaya
Sample ID	: Cement Concrete (CC Road)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.06.2022	20.06.2022	8.100	529.4	23.53
2	13.06.2022	20.06.2022	8.136	515.7	22.92
3	13.06.2022	20.06.2022	8.154	502.8	22.35

Note:
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 11.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: 2nd cross road from Venkateshwara Nilaya
Sample ID	: Cement Concrete (CC Road)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.06.2022	11.07.2022	8.116	702.9	31.24
2	13.06.2022	11.07.2022	8.149	716.1	31.83
3	13.06.2022	11.07.2022	8.170	727.3	32.32

Note:
1. The Material is satisfied as per the requirement.

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Date: 20.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Agency	**: M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: 2nd cross road from Venkateshwara Nilaya
Sample ID	: Cement Concrete (CC Road)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.06.2022	20.06.2022	8.159	517.2	22.99
2	13.06.2022	20.06.2022	8.180	504.9	22.44
3	13.06.2022	20.06.2022	8.127	525.1	23.34

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 11.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: 2nd cross road from Venkateshwara Nilaya
Sample ID	: Cement Concrete (CC Road)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.06.2022	11.07.2022	8.103	700.5	31.13
2	13.06.2022	11.07.2022	8.072	729.9	32.44
3	13.06.2022	11.07.2022	8.041	716.5	31.84

Note:
1. The Material is satisfied as per the requirement.

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Date: 20.06.2022

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Client	**: Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Agency	**: M/s SKS Infrastructure Pvt Ltd,** Bangalore.
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Location	: 2nd cross road from Venkateshwara Nilaya
Sample ID	: Cement Concrete (CC Road)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.06.2022	20.06.2022	8.163	498.5	22.16
2	13.06.2022	20.06.2022	8.192	514.7	22.88
3	13.06.2022	20.06.2022	8.140	503.3	22.37

Note:

1. The Material is satisfied as per the requirement.

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Sample ID	: Cement Concrete (CC Road)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.06.2022	11.07.2022	8.028	718.1	31.92
2	13.06.2022	11.07.2022	8.003	702.5	31.22
3	13.06.2022	11.07.2022	8.075	723.9	32.17

Note:

1. *The Material is satisfied as per the requirement.*

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Job No.: CQCE/BBMP/SKS/17/2022-2023

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Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.06.2022	20.06.2022	8.115	510.4	22.68
2	13.06.2022	20.06.2022	8.086	500.6	22.25
3	13.06.2022	20.06.2022	8.042	528.8	23.50

Note:

1. The Material is satisfied as per the requirement.

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Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 11.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
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Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.06.2022	11.07.2022	8.093	717.1	31.87
2	13.06.2022	11.07.2022	8.134	729.6	32.43
3	13.06.2022	11.07.2022	8.166	701.8	31.19

Note:
1. The Material is satisfied as per the requirement.

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 25.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: From ABS Bakery and Condiments opposite
Sample ID	: Cement Concrete (CC Road)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.06.2022	25.06.2022	8.018	530.4	23.57
2	18.06.2022	25.06.2022	8.049	511.7	22.74
3	18.06.2022	25.06.2022	8.086	504.6	22.43

Note:

1. The Material is satisfied as per the requirement.

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ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 16.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: From ABS Bakery and Condiments opposite
Sample ID	: Cement Concrete (CC Road)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.06.2022	16.07.2022	8.072	712.2	31.65
2	18.06.2022	16.07.2022	8.106	700.4	31.13
3	18.06.2022	16.07.2022	8.129	730.8	32.48

Note:

1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 25.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Agency	**: M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: From ABS Bakery and Condiments opposite
Sample ID	: Cement Concrete (CC Road)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.06.2022	25.06.2022	8.139	528.4	23.48
2	18.06.2022	25.06.2022	8.108	512.9	22.80
3	18.06.2022	25.06.2022	8.085	501.7	22.30

Note:
1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023 Date: 16.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: From ABS Bakery and Condiments opposite
Sample ID	: Cement Concrete (CC Road)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.06.2022	16.07.2022	8.009	721.8	32.08
2	18.06.2022	16.07.2022	8.024	710.3	31.57
3	18.06.2022	16.07.2022	8.075	704.5	31.31

Note:
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Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 25.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Location	: From ABS Bakery and Condiments opposite
Sample ID	: Cement Concrete (CC Road)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.06.2022	25.06.2022	8.097	500.2	22.23
2	18.06.2022	25.06.2022	8.111	519.5	23.09
3	18.06.2022	25.06.2022	8.146	527.3	23.44

Note:

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Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
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Location	: From ABS Bakery and Condiments opposite
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Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.06.2022	16.07.2022	8.020	706.9	31.42
2	18.06.2022	16.07.2022	8.097	719.5	31.98
3	18.06.2022	16.07.2022	8.063	730.4	32.46

Note:

1. The Material is satisfied as per the requirement.

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